

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

Listing of Claims

1. (Currently Amended) A computer-readable medium storing a data structure managing reproduction of multi-path video data ~~from a computer-readable medium~~ by a reproducing apparatus, comprising:

a data area storing the multi-path video data; and

a management information area storing title management information,

the title management information ~~including~~ managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title ~~one~~ of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a ~~title block~~ reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by ~~one of the~~ first title[[s,]] and beginning reproduction of video data identified by ~~the entry~~ another of the titles, ~~at least one of the titles being a~~ the title jump skipping video data identified by the second title ~~non-entry title that is skipped during the title jump.~~

2. (Currently Amended) The computer-readable medium of claim 1, wherein each of the titles has type information to identify whether ~~#~~ the title is an entry title or not.

3. (Previously Presented) The computer-readable medium of claim 2, wherein titles not pertaining to the title block are specified to entry titles by the type information.

4. (Previously Presented) The computer-readable medium of claim 1, wherein the entry and non-entry titles pertaining to the title block are regarded as a single title when title jump is conducted and title selection menu is displayed.

5. (Previously Presented) The computer-readable medium of claim 1, wherein, if one title is not selected from the title block within a predetermined time, a video data section associated with a title in the title block specified to an entry title is reproduced.

6. (Previously Presented) The computer-readable medium of claim 1, wherein, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, another entry title adjacent to and not pertaining to the title block is reproduced.

7. (Previously Presented) The computer-readable medium of claim 1, wherein

the different reproduction paths are assigned to different parental levels, respectively.

8. (Previously Presented) The computer-readable medium of claim 1, wherein each of the titles has information to access a playlist including at least one playitem that points to a part of the multi-path video data.

9. (Previously Presented) The computer-readable medium of claim 1, wherein the title management information includes title selection menu data or information to access title selection menu data.

10. (Currently Amended) A method ~~for computer-readable~~ of recording a data structure for managing reproduction of multi-path video data on a computer-readable medium, comprising:

recording the multi-path video data in a data area on the computer-readable medium; and

recording title management information ~~in a management information area~~ on the computer-readable medium, wherein:

the title management information ~~including~~ manages a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title ~~one~~ of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title

block, the first title defining a ~~title-block~~ reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by ~~one of the~~ first title[[s,]] and beginning reproduction of video data identified by ~~the entry~~ another of the titles, ~~at least one of the titles being a~~ the title jump skipping video data identified by the second title ~~non-entry title that is skipped~~ during the title jump.

11. (Currently Amended) An apparatus for recording a data structure managing reproduction of multi-path video data on a recording medium, the apparatus comprising:

a pickup configured to record data on the recording medium;

an encoder configured to encode the multi-path video data; and

a controller, operably coupled to the pickup, configured to control recording the encoded multi-path video data ~~in a data area on the recording medium~~ and title management information ~~in a management information area~~ on the recording medium,

the title management information ~~including~~ managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title ~~one of the titles~~ being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a ~~title-block~~ reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified

by ~~one of the~~ first title[[s,]] and beginning reproduction of video data identified by ~~the entry~~ another of the titles, ~~at least one of the titles being a~~ the title jump skipping video data identified by the second title ~~non-entry title that is skipped during the title jump.~~

12. (Currently Amended) A method ~~for~~ of reproducing a data structure managing reproduction of multi-path video data ~~from~~ recorded on a computer-readable medium by a reproduction apparatus, the method comprising:

reproducing title management information from a management information area on the computer-readable medium; and

reproducing the multi-path video data from a data area on the computer-readable medium based on the title management information,

the title management information ~~including~~ managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title ~~one of the titles being an entry title~~ of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a ~~title block~~ reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by ~~one of the~~ first title[[s,]] and beginning reproduction of video data identified by ~~the entry~~ another of the titles, ~~at least one of the titles being a~~ the title jump skipping video data identified by the second title ~~non-entry title that is skipped during the title jump.~~

13. (Currently Amended) The method of claim 12, wherein the entry and non-entry titles pertaining to the title block are regarded as a single title when the title jump is conducted and title selection menu is displayed.

14. (Previously Presented) The method of claim 13, further comprising the step of, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, reproducing another entry title adjacent to and not pertaining to the title block.

15. (Original) The method of claim 13, further comprising the step of displaying one title menu item for all titles pertaining to the title block when a title selection menu is outputted.

16. (Original) The method of claim 12, wherein, if one title is not selected from the title block within a predetermined time, a video data section associated with a title in the title block specified to an entry title is reproduced.

17. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of multi-path video data recorded on a recording medium, the apparatus comprising:

a pickup configured to ~~reproduce~~ read data recorded on the recording medium;

a decoder configured to ~~present~~ decode the reproduced data; and

a controller, operably coupled to the pickup, configured to control reproducing title management information from ~~a management information area on~~ the recording medium and the multi-path video data from ~~a data area on~~ the recording medium based on the title management information,

the title management information ~~including~~ managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title ~~one~~ of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a title block reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by ~~one of~~ the first title[[s,]] and beginning reproduction of video data identified by the entry another of the titles, ~~at least one of the titles being a~~ the title jump skipping video data identified by the second title non-entry title that is skipped during the title jump.

18. (Previously Presented) The apparatus of claim 17, wherein, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, the controller is configured to control the pickup to reproduce another entry title adjacent to and not pertaining to the title block.

19. (Previously Presented) The apparatus of claim 17, wherein the controller is

configured to control the decoder to present one title menu item for all titles pertaining to the title block when outputting a title selection menu.

20. (Previously Presented) The apparatus of claim 17, wherein, if one title is not selected from the title block within a predetermined time, the controller configured to control the pickup to reproduce a video data section associated with a title in the title block specified to an entry title.

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END OF CLAIM LISTING